

Teh-Ru Alex Song

List of Publications by Year in descending order

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36
papers

2,195
citations

430874

18
h-index

377865

34
g-index

38
all docs

38
docs citations

38
times ranked

2109
citing authors

#	ARTICLE	IF	CITATIONS
1	Coseismic Slip and Afterslip of the Great Mw 9.15 Sumatra-Andaman Earthquake of 2004. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, S152-S173.	2.3	431
2	Low-velocity zone atop the 410-km seismic discontinuity in the northwestern United States. <i>Nature</i> , 2004, 427, 530-533.	27.8	266
3	Large Trench-Parallel Gravity Variations Predict Seismogenic Behavior in Subduction Zones. <i>Science</i> , 2003, 301, 630-633.	12.6	247
4	Earth's Free Oscillations Excited by the 26 December 2004 Sumatra-Andaman Earthquake. <i>Science</i> , 2005, 308, 1139-1144.	12.6	231
5	Subducting Slab Ultra-Slow Velocity Layer Coincident with Silent Earthquakes in Southern Mexico. <i>Science</i> , 2009, 324, 502-506.	12.6	166
6	Rupture Kinematics of the 2005 Mw 8.6 Nias-Simeulue Earthquake from the Joint Inversion of Seismic and Geodetic Data. <i>Bulletin of the Seismological Society of America</i> , 2007, 97, S307-S322.	2.3	158
7	Spatial slip distribution of the September 20, 1999, Chi-Chi, Taiwan, Earthquake (MW7.6) -Inverted from teleseismic data. <i>Geophysical Research Letters</i> , 2000, 27, 3417-3420.	4.0	101
8	Subduction of oceanic asthenosphere: Evidence from sub-slab seismic anisotropy. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	82
9	Plate coupling along the Manila subduction zone between Taiwan and northern Luzon. <i>Journal of Asian Earth Sciences</i> , 2012, 51, 98-108.	2.3	56
10	Slip distribution and tectonic implication of the 1999 Chi-Chi, Taiwan, Earthquake. <i>Geophysical Research Letters</i> , 2001, 28, 4379-4382.	4.0	53
11	Anisotropic uppermost mantle in young subducted slab underplating Central Mexico. <i>Nature Geoscience</i> , 2012, 5, 55-59.	12.9	48
12	Subduction of oceanic asthenosphere: A critical appraisal in central Alaska. <i>Earth and Planetary Science Letters</i> , 2013, 367, 82-94.	4.4	38
13	Two-stage composite megathrust rupture of the 2015 Mw 8.4 Illapel, Chile, earthquake identified by spectral element inversion of teleseismic waves. <i>Geophysical Research Letters</i> , 2016, 43, 4979-4985.	4.0	30
14	Localized seismic anisotropy associated with long-term slow-slip events beneath southern Mexico. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	26
15	The 2017 Mw 5.5 Pohang Earthquake, South Korea, and Poroelastic Stress Changes Associated With Fluid Injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019134.	3.4	26
16	Validating tomographic model with broad-band waveform modelling: an example from the LA RISTRA transect in the southwestern United States. <i>Geophysical Journal International</i> , 2007, 171, 244-258.	2.4	23
17	Spatiotemporal Variations in Crustal Seismic Anisotropy Surrounding Induced Earthquakes Near Fox Creek, Alberta. <i>Geophysical Research Letters</i> , 2019, 46, 5180-5189.	4.0	23
18	Evidence for non-self-similarity of microearthquakes recorded at a Taiwan borehole seismometer array. <i>Geophysical Journal International</i> , 2016, 206, 757-773.	2.4	22

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19	Measurement of seismometer orientation using the tangential P-wave receiver function based on harmonic decomposition. <i>Geophysical Journal International</i> , 2018, 212, 1747-1765.	2.4	19
20	Validation of the rupture properties of the 2001 Kunlun, China ($M_s = 8.1$), earthquake from seismological and geological observations. <i>Geophysical Journal International</i> , 2009, 177, 555-570.	2.4	18
21	A depleted, destabilized continental lithosphere near the Rio Grande rift. <i>Earth and Planetary Science Letters</i> , 2007, 262, 175-184.	4.4	16
22	Repeating aftershocks of the great 2004 Sumatra and 2005 Nias earthquakes. <i>Journal of Asian Earth Sciences</i> , 2013, 67-68, 153-170.	2.3	14
23	The inner core hemispheric boundary near 180°W. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 272, 1-16.	1.9	14
24	P and S waveform modeling of continental sub-lithospheric detachment at the eastern edge of the Rio Grande Rift. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	13
25	Source Characteristics of the 2016 Meinong (M _L 6.6), Taiwan, Earthquake, Revealed from Dense Seismic Arrays: Double Sources and Pulse-like Velocity Ground Motion. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 188-199.	2.3	13
26	Thermo-mechanical structure beneath the young orogenic belt of Taiwan. <i>Tectonophysics</i> , 2004, 388, 21-31.	2.2	11
27	Temporal Velocity Changes in the Crust Associated with the Great Sumatra Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2797-2809.	2.3	11
28	Low Velocity Zone Atop the Transition Zone in the Western US from S Waveform TriPLICATION. <i>Geophysical Monograph Series</i> , 2013, , 195-213.	0.1	8
29	Real-time and in-situ assessment of conduit permeability through diverse long-period tremors beneath Aso volcano, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106964.	2.1	8
30	Data-oriented constraint on the interpretation of S receiver function and its application to observations of seismic discontinuities in the lithosphere-asthenosphere system. <i>Geophysical Journal International</i> , 2019, 219, 496-513.	2.4	6
31	The Response of Repetitive Very-Long-Period Seismic Signals at Aso Volcano to Periodic Loading. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092728.	4.0	6
32	On DLA's \hat{I} . <i>Special Paper of the Geological Society of America</i> , 0, , 33-38.	0.5	6
33	S Coda and Rayleigh Waves From a Decade of Repeating Earthquakes Reveal Discordant Temporal Velocity Changes Since the 2004 Sumatra Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019794.	3.4	3
34	Observation of Temporal Variations in Seismic Anisotropy Within an Active Fault Zone Revealed From the Taiwan Chelungpu Fault Drilling Project Borehole Seismic Array. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	1
35	Validation of Repetitive Volcanoseismic Signals in Aso Volcano, Japan With Distant Stations: Implications of Source Characterization and Remote Sensing in Uninstrumented Volcanoes. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	1
36	Rayleigh-Love Discrepancy Highlights Temporal Changes in Near-Surface Radial Anisotropy After the 2004 Great Sumatra Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	0